

VISIT...

LITHOPS

BY

G. C. NEL

L I T H O P S

Plantae succulantaе, rarissimae, in
terra obscuratae, e familia Aizoaceae,
ex Africa australi

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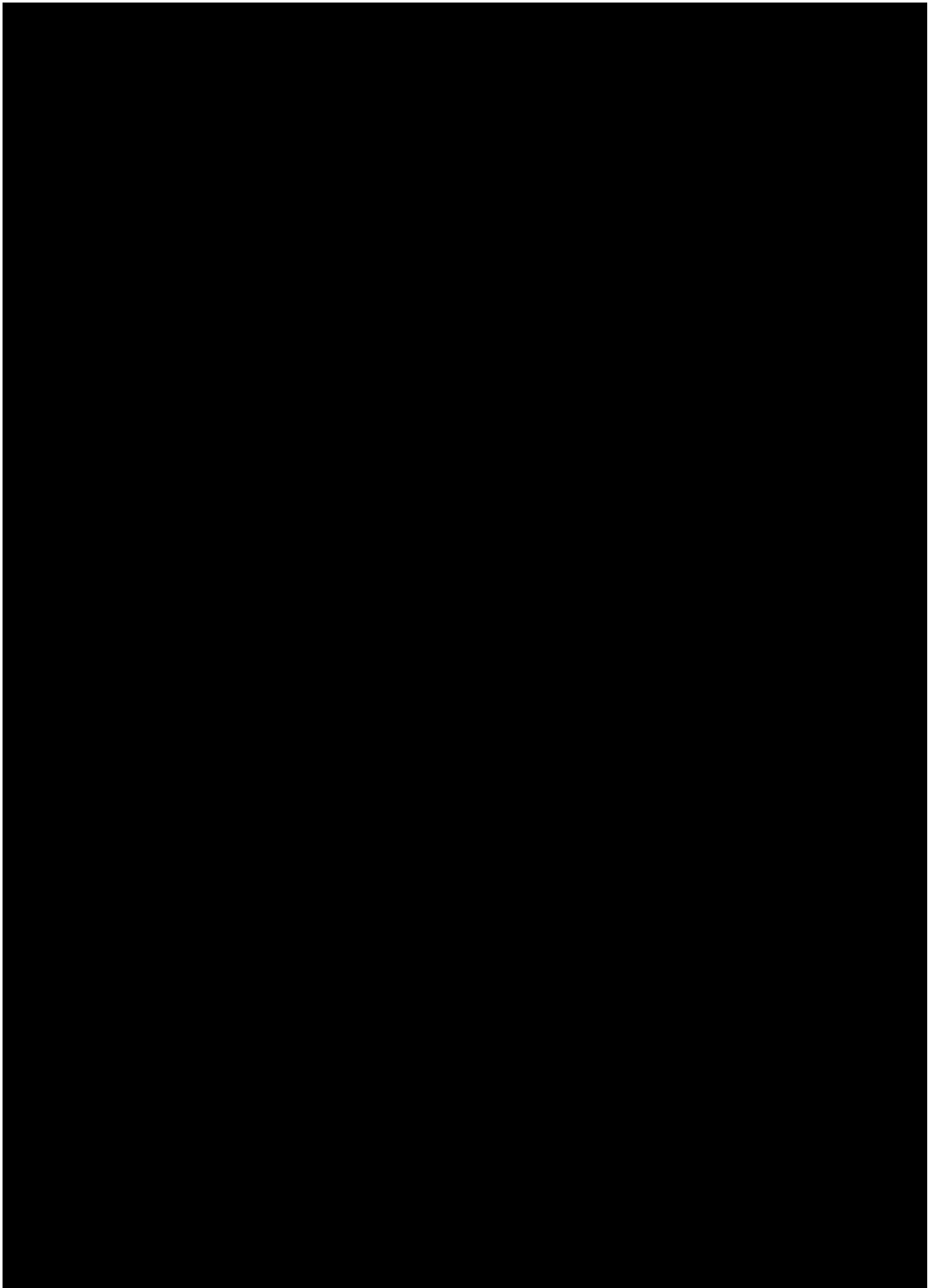


Figure 1. A series of black and white micrographs showing the development of a plant structure, likely a bud or young growth, over time. The images are arranged in a grid, showing different stages of growth and the appearance of various tissues and structures.

C, epidermis with underlying chlorenchyma (dotted); L, Bud (young growth of following year); M, Tissue of colourless (transparent) cells; W, Window or upper face; F, Fissure.

Figure 1. A, capsule seen from above; B, capsule from side; C, capsule opening; D, later stage of C.

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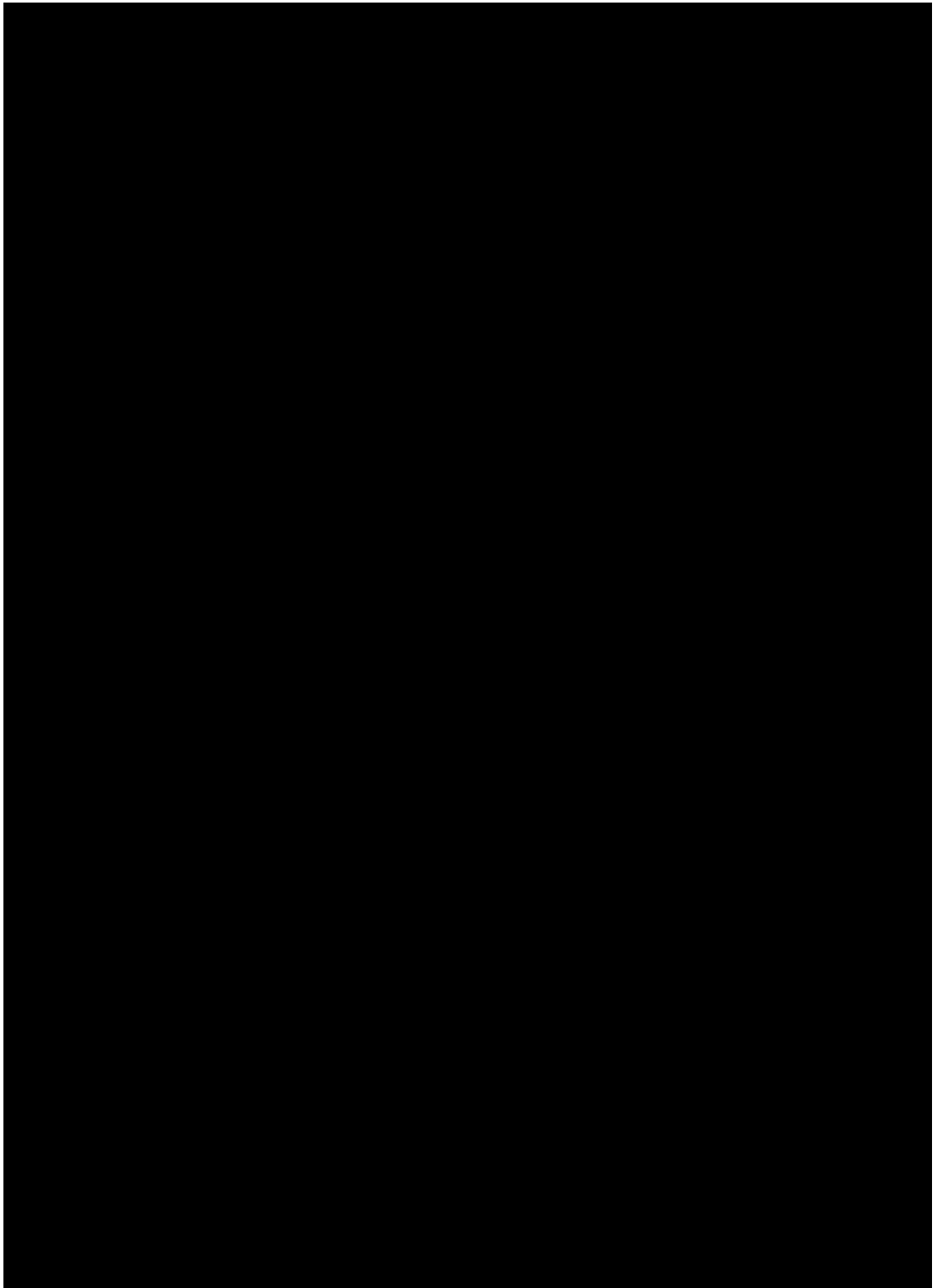


Figure 1. The four stages of the process of opening the wings of a butterfly (A-D). A, closed; B, in process of opening; C, later stage of B; D, fully opened, showing recurved wings and keel.

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Flower single produced between the pair of leaves in the fissure: calyx not membranous, usually 4–7 lobed, slightly exerted above the leaves, no tube above the ovary: corolla with many petals, yellow, white, white with a tinge of orange, 1–4 seriate, linear, obtuse, rotund or with a notch at the apex: stamens many, erect in a column, lower part of filament sometimes papillate: ovary inferior 4–7 locular, placentas on outer walls or floor of loculi: ovules many: style short or almost absent, stigmas 4–7, filiform: capsule 4–7 locular with 4–7 valves, valves with one stout central expanding keel, split at the apex, wings membranous: seeds minute with a nipple at one end, round or rotund, smooth or rugulose, coloured dark brown or partly dark brown and opaque or one part transparent.

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1, in normal condition; 2, fully turgid
3, in a dry state

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A, capsule closed; B, half-opened; C,
fully opened with recurved wings and
keel.

Figure 1. A, B, C. Capsule of *Phaseolus vulgaris* (L.) DC. A, capsule closed; B, half-opened; C, fully opened with recurved wings and keel.

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பெரியவாழை மரம் . பெரியவாழை மரத்தின்மேல் பறக்கிறது.
In habitat. Urikos, S.W.A.

பெரியவாழை மரம் . பெரியவாழை மரத்தின்மேல்-பறக்கிறது (பெரியவாழை மரத்தின்மேல்) ப.ப. ப.ப.

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1, in turgid condition; 2 normal plant.

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The author wishes to place on record his appreciation of the interest, assistance and excellent workmanship of the printers, Messrs. Hortors Limited, Cape Town.

